# NACES Survival Kit Checklist

Clear

**728-Day Inspection**
**SKU-10/A Survival Kit and Emergency Oxygen System**
**Use in conjunction with NAVAIR 13-1-6.3-2**

KIT NO.: _____ DESERT/WATER DATE: _____

VISUAL INSPECTION
This inspection shall be performed prior to the functional check of the kit.

| ITEM # | ACTION | TECH | INSP |
|---|---|---|---|
| 1 | Remove seat cushion. | | |
| 2 | Remove URT-33 Beacon Radio from Survival Kit. | | |
| 3 | Open rucksack. | | |
| 4 | Remove raft, being careful not to discharge $CO_2$ bottle. | | |
| 5 | Open equipment container and remove all survival items. | | |
| 6 | Check seat cushion for stains, torn fabric, torn, loose, or frayed stitching and secure fasteners. | | |
| 7 | Check Lid Assembly for structural damage, corrosion, damaged or deteriorated finish. Check all Lid Assembly attaching screws and connectors for disturbed tamper dots. | | |
| 8 | Check lap belts for frayed or torn webbing, torn stitching, damaged or corroded connectors, adjusters and attachment fittings. | | |
| 9 | Check Lap Belts Release Assembly for loose or missing screws and corrosion. | | |
| 10 | Check Lap Belt attachment fittings for limited rotation. | | |
| 11 | Check Oxygen/Communications Hose Assemblies for secure attachment, deterioration, corrosion or foreign objects. | | |
| 12 | Check Oxygen Cylinder for distortion, chipped paint, and current hydrostat date. | | |
| 13 | Check Emergency Oxygen System for contamination, corrosion, damaged oxygen gauge, crimped cable housing. | | |
| 14 | Check Rucksack Assembly for stains, torn stitching, damaged fabric, damaged or worn eyelets and locking cones, slide fastener for corrosion and damage. | | |
| 15 | Check drop line for fraying and contamination. Measure length of drop line. Length of drop line shall be 26 feet 4 inches +/- 12 inches. | | |
| 16 | Check Manual Deployment Handle Assembly for security of cables and pins, and for cuts and breaks. Check security of yellow deployment handles. | | |
| 17 | Check strap assemblies for frayed or torn webbing, torn stitching, damaged or loose eyelets and corroded fittings. | | |
| 18 | Check Automatic Emergency Oxygen Lanyard Assembly, Beacon, and Lower Coupling Assembly for security of attachment, damage, and/or corrosion. | | |

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| 19 | Visual inspection complied with. | | |
| 20 | Perform inspection of Life Raft (LRU-I/P). Inspect per NAVAIR 13-1-6.1-1<br>Weight Check $CO_2$ Bottle _____ lbs.<br>Raft Serial No.: _____ D.O.M.: _____<br>Functional Check Date: _____ | | |
| 21 | Perform Beacon test using Air Force T.O.13R4-2URT33-11 and NAVAIR 16-30URT33-1. | | |
| 22 | Inspect all survival items. Check and record all serial numbers, lot numbers, expiration dates, etc., I.A.W. applicable tech orders. | | |
| | FUNCTIONAL CHECK | | |
| 1 | Take Survival Kit Assembly to Test Stand. **NOTE:** Ensure that Emergency Oxygen Cylinder is filled to 1800 to 2000 p.s.i. | | |
| 2 | Connect adapter hose F18-1 and F18-2 together at the quick disconnect. Connect to Test Stand the connection "H" and the supply end to the Survival Kit. | | |
| 3 | Connect adapter hose F18-3 to the Test Stand connector "J" and the other end to the Survival Kit Regulator quick disconnect. | | |
| 4 | Ensure shutoff valves "A" and "C" are closed and valve "B" is open. | | |
| 5 | Attach a pull scale to the Manual Emergency Oxygen Actuation Handle. Using pull scale, pull at a 5 to 25 degree angle from the vertical plane toward rear of Survival Kit. Measure the force required to actuate Manual Oxygen Actuation Handle. The force required shall be 10 to 30 pounds and gauge "I" reading should be 30 to 90 p.s.i.<br>Pull force required: _____ lbs. Gauge "I" reading: _____ lbs. | | |
| 6 | Using length of cord, form a loop and place loop over push button arm (thumb lever) of the Emergency Manual Actuation Handle. | | |
| 7 | Position Lid Assembly on table with Manual Actuation Handle along the edge of table. Using pull gauge pull down and forward at about a 45 degree angle. Measure force required to reset Manual Oxygen Handle using on-off mechanism. Force required shall be 15 to 30 pounds.<br>Force required: _____ lbs. | | |
| 8 | Turn Oxygen Supply line to Test Stand ON. | | |
| 9 | Slowly adjust valve "F" until regulator "G" reads 90 p.s.i. | | |
| 10 | Actuate Manual Emergency Oxygen Handle. | | |
| 11 | Using leak detection compound to check all pressure lines and fittings on the Survival Kit, to ensure no leakage.<br>**NOTE:** Any degree of leakage in the Oxygen System requires corrective maintenance. | | |

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| 12 | Reset Manual Oxygen Actuation Handle. | | |
| | **CAUTION: DO NOT INCREASE PRESSURE ABOVE 150 P.S.I.** | | |
| 13 | Using a length of plastic hose connected to the relief valve and a beaker half full of water, submerge the free end of the plastic tube in water. Slowly opening regulator "F", increase the pressure until bubbles appear at the end of the tube. Relief valve shall unseat at 120 to 140 p.s.i. when pressure is increased, and reset at 110 p.s.i. minimum when pressure is decreased. Once reseated, relief valve shall be leak free. (No bubbles coming from plastic tube in the water.) **Repeat step 13 several times to establish a correct pressure.** Open Reading Gauge "G": _____ p.s.i. Closed Reading Gauge "G": _____ p.s.i. | | |
| 14 | Reduce regulator valve "F" to indicate 0 p.s.i. on gauge "G". | | |
| 15 | Open valve "A" on Test Stand and reduce pressure to 0 p.s.i. on gauge "I" of the Test Stand. | | |
| 16 | Close Test Stand valve "A". | | |
| 17 | If connected, disconnect Beacon Actuating Lanyard from cable to Lanyard Assembly. With a pull scale, measure the force required to disengage Automatic Oxygen Actuating Lanyard Assembly. The force required shall be 20 to 40 pounds, and the Emergency Oxygen shall actuate and indicate 30 to 90 p.s.i. on gauge "I" on the Test Stand. Pull Force: _____ lbs. Gauge "I" Reading: _____ lbs. | | |
| 18 | Reset Automatic Actuation mechanism. **NOTE:** Observe gauge "I" for 2 minutes to ensure no leaks. Any pressure rise indicates leakage in the reducer valve seat and requires correction maintenance. | | |
| 19 | Open valve "A" on Test Stand and reduce pressure to zero. Actuate Manual Oxygen Actuation Handle Assembly and ensure there is flow. Reset Manual Oxygen Actuation Handle and reduce pressure to 0 p.s.i. on gauge "I" of the Test Stand. | | |
| 20 | Close Test Stand valve "A". | | |
| 21 | Be sure that 1800 to 2000 p.s.i. is in Emergency Oxygen Cylinder of the Survival Kit. | | |
| 22 | Pull Manual Oxygen Actuation Handle. The oxygen pressure reading on gauge "I" shall indicate 30 to 90 p.s.i. Gauge "I" reading: _____ p.s.i. | | |
| 23 | Slowly open valve "A" to indicate 90 l.p.m. on flow meter "L" and oxygen pressure reading on gauge "I" shall indicate 30 to 90 p.s.i. Gauge "I" reading: _____ p.s.i. **NOTE:** When needle on Emergency Oxygen Cylinder pressure gauge is between the "E" and "F" of REFILL, the cylinder pressure is approximately 250 p.s.i. | | |

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|---|---|---|---|
| 24 | Observe Emergency Oxygen Cylinder pressure gauge and allow the system to decrease to 250 p.s.i. while maintaining 90 l.p.m. flow and gauge "I" reading should be 30 to 90 p.s.i.<br>Gauge "I" reading: _____ p.s.i. | | |
| 25 | Close Test Stand valve "A". | | |
| 26 | With 0 flow on flow meter "L", the pressure indicated on gauge "I" shall read 30 to 90 p.s.i.<br>Gauge "I" reading: _____ p.s.i. | | |
| 27 | Reset Manual Oxygen Handle to "OFF" position. | | |
| 28 | Open valve "A" on Test Stand and reduce pressure to 0 p.s.i. on gauge "I" of the Test Stand. | | |
| 29 | Disconnect Survival Kit from Test Stand and secure Test Stand. | | |
| 30 | Recharge Emergency Oxygen Cylinder to 1800 to 2000 p.s.i., per NAVAIR 13-1-6.3-2, Pg 8-33, Para 8-52, Step 1 thru 20. | | |
| 31 | Repack survival items into rucksack. | | |
| 32 | Install life raft in rucksack. | | |
| | Survival Kit inspection and repack complete.<br>Date Completed: _____ | | |